



**James Harrison Elementary
School (JHES)**



100 0 100 Feet



**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 1 -- Catchment Information**

Subwatershed: Tributary 6

Location of Catchment Centroid on ADC Map: Year: 2001 Page: 4 Grid: F8

State Plane Coordinates of Outfall Location: X: 1351533 Y: 511421

Closest Road Intersection to Outfall: Larchdale Road and Larchdale Woods Road

Outfall SDI ID or Outfall Description: outfalls to stream, across road southeast of property

Objective: Demonstration / Impairment(s) (Sheet 1) _____

Drainage Area (ac): 7.0 Impervious Area (ac): 2.7

Percent Impervious: 39% Soil Recharge Factor (S): 0.13

WQ_v (required): 0.23 Re_v (required): 0.03

Predominant Land Use: municipal Mean Depth to Ground Water: >=5ft

Sanitary System: Septic Municipal Sewer Water Supply: On Site Well Public Water

Storm Drainage System Within Catchment

Piped: 50% Open Channels: 50%

Area Drained by System: 100%

Location in Catchment: Headwaters Middle Lower All

Open Channel Lining- Vegetation: 80% Riprap: 0% Concrete: 20% Other: 0%

Existing IMP(s) / BMP(s)

SDI ID: _____ Type (number from Sheets 4 & 5): _____ Age: _____

Closest Road Intersection to IMP / BMP: _____

Catchment Area Treated (ac) : _____ Percentage Catchment Treated: _____

WQ_v Provided: YES NO Re_v Provided: YES NO C_p Provided: YES NO

SDI ID: _____ Type (number from Sheets 4 & 5): _____ Age: _____

Closest Road Intersection to IMP / BMP: _____

Catchment Area Treated (ac) : _____ Percentage Catchment Treated: _____

WQ_v Provided: YES NO Re_v Provided: YES NO C_p Provided: YES NO

SDI ID: _____ Type (number from Sheets 4 & 5): _____ Age: _____

Closest Road Intersection to IMP / BMP: _____

Catchment Area Treated (ac) : _____ Percentage Catchment Treated: _____

WQ_v Provided: YES NO Re_v Provided: YES NO C_p Provided: YES NO

**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 1 -- Catchment Information (concluded)**

CATCHMENT SUMMARY

WQ_v (provided): _____

Re_v (provided) : _____

Area Treated (ac): _____

Impervious Area Treated (ac): _____

Area Treated (%): _____

Impervious Area Treated (%): _____

Comments

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 2 -- Site Information

Site Name: James Harrison Elementary School Address: 13200 Larchdale Road, Laurel MD, 20708
 Site Owner: Board of Education
 State Plane Coordinates of Site Centroid: X: 1351197 Y: 511776 Date: 4/2/03
 Personnel: PM Weather: sunny, 80F deg
 Area (ac): 6.7 Impervious Area (ac): 2.5
 Percent Impervious: 37% Soil Recharge Factor (S): 0.13
 WQ_v (required): 0.21 Re_v (required): 0.03
 Property Area (ac): 9.9 Property Area Included in Site: 68 %
 Amount of Catchment Occupied by Site: 96 %

Storm Drainage System Within Site

Piped: 50% Open Channels: 50% Area Drained by System: 100%
 Open Channel Lining - Vegetation: 80% Riprap: 0% Concrete: 20% Other: 0%

Existing IMP(s) / BMP(s) (Identified on Page 1, FORM 1, Catchment Information)

SDI ID: _____ Condition: Excellent Good Average Fair Poor
 SDI ID: _____ Condition: Excellent Good Average Fair Poor
 SDI ID: _____ Condition: Excellent Good Average Fair Poor

Site Information

Type of Pavement: Bituminous Concrete Gravel Grid Pavers Other _____
 Pavement Condition: Excellent Good Average Fair Poor
 Underdrains can be easily directed to existing storm drains or daylighted: YES NO
 Gutter/Exterior Downspouts Present: YES NO
 Roof Connected Directly to Storm Drain: YES NO
 Roof Drains onto Impervious Surface: YES NO
 Obvious Existing Drainage Problems: Extensive Moderate Average Limited None
 Steep Slopes Present: Extensive Moderate Average Limited None
 Existing Landscaping: Extensive Moderate Average Limited None
 Mature / Specimen Trees: Extensive Moderate Average Limited None
 Area Available for Aboveground BMPs: Extensive Moderate Average Limited None
 Existing Cover of Potential Aboveground BMP Locations: Grass Landscaped Gravel Other Pervious
 Pavement Other Impervious

**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 2 -- Site Information (concluded)**

Commercial / Institutional

Islands Present: YES NO

Curb Present Around Island: YES NO

Ground Level of Island Relative to Pavement: Above Equal Below

Island Landscaping: Impervious Bare Earth Gravel Grass Mulch Herbaceous Plants Shrubs
 Trees (<2 in. DBH) Trees (2 - 6 in. DBH) Trees (>6 in. DBH)

Trees have sufficient spacing to allow IMPs YES NO

Parking area that can be directed to potential treatment area with little grading: 95%

SITE SUMMARY	
WQ _v (provided) :	Re _v (provided):
Area Treated (ac) :	Impervious Area Treated (ac):
Area Treated (%) :	Impervious Area Treated (%):

Photographs

- No. 491 Description: looking north at east (front) side of school
- No. 492 Description: looking northwest at south side of building
- No. 493 Description: looking north at west side of school
- No. 494 Description: looking west at north side of building
- No. 495 Description: looking south at east side of building
- No. 496 Description: looking east at north side of building
- No. 497 Description: looking south at west side of building
- No. 498 Description: failing inlet
- No. _____ Description: _____
- No. _____ Description: _____

Comments

**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 2 -- Site Information**



491



492



493



494



495



496

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 2 -- Site Information (concluded)



497



498